Contact Information

	Contact Person:				
	Contact Person's Title:				
	Authority:				
	Contact's Address:				
	Contact's City/Town:				
	Contact's State:	MA			
	Contact's Zip Code:				
	Phone Number:				
	Fax Number:				
	Email Address:				
В	Facility Information	1			
	Congressional District #:				
	CWNS#:				
	NPDES:				
	Facility Name:				
	Facility Address:				
	Facility City/Town:				
	Facility State:	MA			
	Facility Zip Code:				
	Facility County:				
		-			
С	Community Served By Facility		7	_	1
		Present	<u>Future</u>	<u>Present</u>	<u>Future</u>
		Resident	Resident	Transient	Transient
		Population	Population	Population	Population
	Community Name(s)	Served	Served	Served	Served
				 	
				 	
				 	
				 	
				 	
		2004		2004	
	Projection Year:	2004		2004	
D	Community Served by Individual	1			
	Sewage Disposal System (Title 5)				
	Gewage Disposar Gystem (Trae 5)	Present	Future	Present	<u>Future</u>
		Resident	Resident	Transient	Transient
		Population	Population	Population	Population
	Community Name(s)	Served	Served	Served	Served
		20.104	20.704	150.154	-0.104
				<u> </u>	
				<u> </u>	
	Projection Year:	2004		2004	
	<u> </u>				

Ε	Wastewater Treatment Flow			
	(answer in MGD)			
	Municipal	Existing	Present Design	Future Design
	Industrial			
	Infiltration			
	Wet Weather Peak			
F	Efficient Overlites			
Г	Effluent Quality (answer yes or check applicable item)	Eviatina	Future Decim	٦
	Raw Discharge	Existing	Future Design	-
	Primary (45 mg/l < BOD)			-
	Advanced Primary			-
	Secondary			-
	Advanced Treatment I			-
	Advanced Treatment II			_
	Nutrient Removal			_
	Nutrient Kemovai	<u> </u>		
G	Influent Characteristics			
	(answer in mg/l)	Existing	Present Design	Future Design
	Ammonia			
	BOD5			
	CBOD5			
	Chlorine Residual			
	Dissolved Oxygen			
	Phosphorus			
	Suspended Solids			
	Total Nitrogen			
Н	Effluent Characteristics		<u> </u>	
	(answer in mg/l)	Existing	Present Design	Future Design
	Ammonia			
	BOD5			
	CBOD5			
	Chlorine Residual			
	Dissolved Oxygen			
	Phosphorus			
	Suspended Solids			
	Total Nitrogen			
ı	Biosolids			
-		Existing	Present Design	Future Design
	Biolsolids (answer in metric tonnage/day)			
	Moisture (answer in percentage)			
			•	
J	Combined Sewer Overflow (CSO)			_
		Existing	Future Changes	
	CSO Tributary Area (answer in acres)			_
	CSO Tributary Area Population			

K Available Unit Processes

(answer yes or check applicable item) **Future** In Use **Proposed Biological Treatment:** Changes **Activated Bio-Filter (ABF)** Activated Sludge - Anaerobic/Anoxic/Oxic **Activated Sludge - Complete Mix Activated Sludge - Contact Stabilization Activated Sludge - Extended Aeration Activated Sludge - High Rate Activated Sludge - Other Mode** Activated Sludge - Pure Oxygen **Activated Sludge - Step Aeration Activated Sludge with Biological Denitrification Aerated Lagoon Anaerobic Lagoons Biological Denitrification - Separate Stage Biological Nitrification - Separate Stage Biological Phosphorus Removal Biological Phosphorus Removal - Modified Bardenpho Biological Phosphorus Removal - Phostrip Combined Biological Nitrification and BOD Reduction Duckweed (Lemna) Duckweed (Spirodeia) Duckweed (Wolffia) Falcultative Lagoon** Freesurface/Wetland (Marsh System) **Other Attached Growth Process** Other Land Treatment System **Other Suspended Growth Process Overland Flow System Oxidation Ditch** Rapid Infiltration System - No Underdrain Rapid Infiltration System - With Underdrain **Rotating Biological Contactor (RBC) Septage Receiving Facility Septage Treatment - Separate Stage** Sequencing Batch Reactor (SBR) Slow Rate Application System - No Underdrain Slow Rate Land Application System - With Underdrain **Stabilization Pond Subsurface Flow Total Containment Pond Trickling Filter - Other Media** Trickling Filter - Plastic Media **Trickling Filter - Redwood Slats Trickling Filter - Rock Media Vertical Loop Reactor**

L Available Unit Processes

(answer yes or check applicable item)			Future
Biosolids Treatment:	In Use	Proposed	Changes
Aerated Biosolids Storage			
Aerobic Digestion - Air			
Aerobic Digestion - Oxygen			
Air Drying - Other Media			
Air Drying - Sand Beds			
Alum Addition to Biosolids			
Anaerobic Digestion			
Anaerobic Digestion - Thermophilic			
Autothermal Thermophilic Aerobic Digestion - Air			
Autothermal Thermophilic Aerobic Digestion - Oxygen			
Biosolids Composting - In-Vessel			
Biosolids Composting - Static Pile			
Biosolids Composting - Window			
Biosolids Lagoons			
Biosolids Monofill			
Chlorinate Oxidation (Purifax)			
Co-Incineration With Solid Waste			
Co-Pyrolysis With Solid Waste			
Digestor Gas Utilization Facilities			
Dissolved Air Floatation Thickening			
Distribution And/Or Marketing of Biosolids			
Elutriation			
Ferric Chloride Addition To Biosolids			
Freezing (Biosolid)			
Gravity Thickening			
Heath Drying			
Heat Recovery And Utilization			
Heat Treatment			
Incineration - Fluidized Bed			
Incineration - Multiple Hearth			
Incineration - Rotary Kiln			
Land Spreading			
Landfill/Trenching			
Lime Stabilization			
Mechanical Dewatering - Centrifuge			
Mechanical Dewatering - Pressure Filter			
Mechanical Dewatering - Vaccum Filter			
Mechanical Dewatering - Filter Press			
Ocean Disposal of Biosolids			
Other Biosolids Disposal			
Other Biosolids Treatment			
Other Dewatering			
Other Incineration			
Polymer Addition To Biosolids			
Pyrolysis Vibration			
Vibration Wet Air Oxidation	+		
Wet Air Oxidation Mechanical Dewatering - Centrifuge			

M Available Unit Processes (answer yes or check applicable item) **Future** In Use Proposed Changes Collection: Collectors **Force Main** Gravity **Inflatable Dams** Interceptors **Other Non-Centralized Sewer Pump Station** Septic Tank Effluent Pump Sewer System Small Diameter Gravity Sewer **Vaccum Sewer** Collectors Available Unit Processes (answer yes or check applicable item) **Future Decentralized Treatment:** In Use **Proposed** Changes **Aeration System Aerobic Unit Anaerobic Filter Evapotranspiration Bed Grinder Pump - Low Pressure Sewer Holding Tank** Lagoon **Mound System** Multiple Unit Leach Field (Soil Absorption) **Other Non-Centralized Treatment Pretreating Sand/Gravel Filter** Sand Filtration/Intermittent Sand Filtration/Recirculating Septic Tank Standard Leach Field **Trickling Filter** Wetland Subsurface **Wetland Surface** Available Unit Processes (answer yes or check applicable item) **Future** In Use Proposed Changes Miscellaneous: Control/Lab/Maintenance Building **Custom Built Plant Fully Automated Using Analog Controls Fully Automated Using Digital Controls Manually Controlled Outfall Diffuser Outfall Pumping Package Plant**

Semi-automated
Semi-package Plant

P Available Unit Processes
(answer yes or check applicable item)

(answer yes or check applicable item)		<u> </u>	le .
DI 1 1/01 1 1 T 1 1	l		Future
Physical/Chemical Treatment:	In Use	Proposed	Changes
Activated Carbon - Granular			
Activated Carbon - Powdered			
Alum Addition - Primary			
Alum Addition - Secondary			
Alum Addition - Tertiary			
Ammonia Stripping			
Breakpoint Chlorination			
Carbon Regeneration			
Chlorination			
Clarification Using Tube Settlers			
Dechlorination			
Denitrification Filter - Coarse Media			
Denitrification Filter - Fine Media			
Dialysis			
Distillation			
Electrodialysis			
Evaporation			
Ferric Chloride Addition - Primary			
Ferric Chloride Addition - Secondary			
Ferric Chloride Addition - Tertiary			
Flocculation			
Floatation			
Foam Fractionation			
Freezing			
Gas-Phase Separation			
In-Channel Clarification			
Intermediate Clarification			
Ion Exchange			
Microstrainer - Primary			
Microstrainer - Secondary			
Mixed Media Filter			
Moving Bed Filter			
Neutralization			
Other Chemical Addition			
Other Disinfection Other Filtration			
Other Physical/Chemical			
Ozonation			
Polishing Lagoon			
Polymer Addition			
Post Aeration			
Pressure Filter			
Rapid Sand Filter			
Recalcination			
Recarbonation			
Reduction			
Reverse Osmosis			
Rock Filter			
Secondary Clarification			

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Available Unit Processes			
(answer yes or check applicable item)			
			Future
Physical/Chemical Treatment (continued):	In Use	Proposed	Changes
Activated Carbon - Granular			
Single Stage Primary Lime Treatment			
Single Stage Tertiary Lime Treatment			
Slow Sand Filter			
Solvent Extraction			
Sorption			
Two Stage Primary Lime Treatment			
Two Stage Tertiary Lime Treatment			
Ultraviolent Disinfection			

Available Unit Processes (answer yes or check applicable item) **Future** Preminary/Primary Treatment: In Use Proposed Changes **Aerated Grit Chambers Bar Screen** Comminution Flow-Equalization **Grit Removal Imhoff Tank Influent Pumping Mechanical Bar Screens Other Preliminary Or Primary Treatment Other Screening** Preaeration **Primary Sedimentation** Scum Removal

Discharge Information (answer yes or check applicable item) List # of Outfalls **Future** Change Designate with Discharge Method: In Use "P" if Primary Proposed Proposed Deep Well **Discharge to Another Facility Discharge to Ground Water** Evaporation No Discharge, Unknown Ocean Discharge **Outfall to Surface Water Overland Flow with Discharge** Overland Flow, No Discharge Reuse: Groundwater Recharge **Reuse: Indirect Potable** Reuse: Industrial Reuse: Irrigation Reuse: Other Non-Potable Reuse: Potable **Spray Irrigation**

Pollution Problems		
(answer yes or check applicable item)		
Agriculture Category:	Existing	Potential Fu
Agriculture		
Animal Holding		
Aquaculture		
Feedlots		
Irrigated Crops		
Non-Irrigated Crops		
Pasture Land		
Specialty Crops		
Pollution Problems		
(answer yes or check applicable item)		
Construction Category:	Existing	Potential Fu
Construction		
Highway Construction		
Land Development		
Pollution Problems (answer yes or check applicable item)		
Habitat Modification Category:	Existing	Potential Fu
Channelization		
Dam Construction		
Draining/Filling		
Dredging		
Flow Regulation		
Hydromodification		
Riparian Destruction		
Pollution Problems		
(answer yes or check applicable item)		
Land Disposal Category:	Existing	Potential Fu
Biosolids Disposal		
Hazardous Waste	l	
Hazardous Waste Industrial Land Treatment		
Hazardous Waste Industrial Land Treatment Land Disposal		
Hazardous Waste Industrial Land Treatment		

Pollution Problems (continued)		
(answer yes or check applicable item)		
Other Category:	Existing	Potential Future
Atmosphere Deposition (Acid Rain)		
Highway Maintenance		
In-Place Contaminants		
Miscellaneous		
Natural Conditions		
Recreational Activities		
Spills		
Waste Storage		
Pollution Problems		
(answer yes or check applicable item)		
Point Sources Category:	Existing	Potential Future
Combined Sewers		
Industrial		
Municipal		
Package Plants		
Sanitary Sewer Overflows		
Storm Water Sewers		
Wastewater Lagoons		
Pollution Problems		
(answer yes or check applicable item)		
Resource Extraction Category:	Existing	Potential Future
Acid Mine Drainage	Exioting	T Otomiai T ataro
Dredge Mining		
Mine Tailings		
Mining		
Petroleum Activities		
Subsurface Mining		
Surface Mining		
Pollution Problems		
(answer yes or check applicable item)		<u> </u>
Silviculture Category:	Existing	Potential Future
Forest Management		
Silviculture		
Timber Harvesting		
Timber Harvesting Roads		
Pollution Problems		
(answer yes or check applicable item)		
Urban Runoff/Storm Sewers Category:	Existing	Potential Future
Industrial Runoff	Existing	roteillai ruture
Storm Sewers		
Surface Runoff		
Surface Runoff		

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Operation and Maintenance Annual Costs		
O&M Category:	Current 2004	Cost In Dollars
Debit Service		
Maintenance		
Operation		
Other		
Replacement		

Technical Documents Used to Justify Needs (Valid reference and/or document still in use to date.) (Answer by giving Document's Title) **Capital Improvement Plan Document(s)** Author **Cost Date** Cost Needs \$ **Document Date** I/I Analysis Document(s) Author **Cost Needs \$ Document Date Cost Date** Sewer System Evaluation Survey Document(s) Author **Document Date Cost Date** Cost Needs \$ **Engineer's Final Estimate Document(s)** Author Document Date **Cost Date** Cost Needs \$ Facility Plan Document(s) Author **Document Date Cost Date** Cost Needs \$ Plan of Study Document(s) Author **Document Date Cost Date** Cost Needs \$ Federal or State Grant or CWSRF Loan Application Form(s) **Author Document Date Cost Date** Cost Needs \$

Technical Documents Used to Justify Needs (continued)				
(Answer by giving Document's Title)			1	
Diagnostic Evaluation Results of Municipal WWTP	A 4 la . a . r	Da aum ant Data	Coot Dota	Coot Noodo f
Demonstrating Need to Construct	Author	Document Date	Cost Date	Cost Needs \$
Administrative Order, Court Order, or Consent Decree				
Demonstrating Need to Construct	Author	Document Date	Cost Date	Cost Needs \$
		1	1	
Sanitary Survey (Documenting High Failure Rates) or				
Certification from a Health Official that a				
Health Emergency Exists	Author	Document Date	Cost Date	Cost Needs \$
State-Approved Local/County Comprehensive Water				
and Sewer Plans (with Project-Specific Information)	Author	Document Date	Cost Date	Cost Needs \$
State Certification of Excessive Flow (Preliminary I/I Study)	Author	Document Date	Cost Date	Cost Needs \$
State-Approved Municipal Wasteload Management Plan				
with Project Specific Information)	Author	Document Date	Cost Date	Cost Needs \$
NPDES or State Permit Requirement (with schedule)	Author	Document Date	Cost Date	Cost Needs \$
Municipal Stormwater Management Plan	Author	Document Date	Cost Date	Cost Needs \$
Nonpoint Source Management Plan/Assessment Report	Author	Document Date	Cost Date	Cost Needs \$
		•		•
Nonpoint Source Management Plan/Ground Water				
Protection Strategy	Author	Document Date	Cost Date	Cost Needs \$
<u> </u>				
Nonpoint Source Management Plan/Delegated				
Underground Injection	Author	Document Date	Cost Date	Cost Needs \$
				,
Vulnerability Assessment (Homeland Security)	Author	Document Date	Cost Date	Cost Needs \$
,				
CSO Long-Term Control Plan	Author	Document Date	Cost Date	Cost Needs \$
		_ Journal Butt	223, 24,0	
			1	
Total Maximum Daily Loads	Author	Document Date	Cost Date	Cost Needs \$
Total maximum bany Loudo	Addioi	Document Date	Jost Date	OUST NEEDS \$
			+	